

Title (en)  
FREQUENCY HOPPING SEQUENCE GENERATION

Title (de)  
FREQUENZSPRUNGFOLGENERZEUGUNG

Title (fr)  
GÉNÉRATION DE SÉQUENCE DE SAUT DE FRÉQUENCE

Publication  
**EP 3447927 A3 20190605 (EN)**

Application  
**EP 18196092 A 20150113**

Priority  
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• EP 15150968 A 20150113

Abstract (en)  
Techniques for frequency-hopping sequence-generation are described herein. In one example, a sequence of pseudo random numbers may be used to generate a scrambling sequence. The scrambling sequence may be used to map an unscrambled sequence of channels into a scrambled sequence of channels. The scrambling sequence may be based on a Galois field. Channel whitening may be performed to reduce channel overuse. The scrambled sequence of channels may be provided to a radio to enable the radio to tune to the channels indicated by the scrambled sequence of channels.

IPC 8 full level  
**H04B 1/7143** (2011.01)

CPC (source: EP US)  
**H04B 1/7143** (2013.01 - EP US); **H04B 1/7156** (2013.01 - US)

Citation (search report)  
• [IA] US 2012014414 A1 20120119 - JEONG WUN CHEOL [KR], et al  
• [IA] US 7035314 B1 20060425 - LINSKY JOEL B [US]  
• [IA] WO 2008033514 A2 20080320 - ITRON INC [US], et al  
• [IA] US 2007071068 A1 20070329 - LABLANS PETER [US]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2942873 A1 20151111; EP 2942873 B1 20181031**; EP 3447927 A2 20190227; EP 3447927 A3 20190605; US 2015326275 A1 20151112; US 2016269074 A1 20160915; US 9350416 B2 20160524; US 9673857 B2 20170606

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**EP 15150968 A 20150113**; EP 18196092 A 20150113; US 201414558553 A 20141202; US 201615161659 A 20160523